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CUNO-407.2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
SALE, Richard et al. )  
)  
Serial No.: 10/737,134 )  
)  
Filed: December 16, 2003 )  
)  
Title: UNSUPPORTED MULTIZONE )  
MICROPOROUS MEMBRANE )

Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING DATE OR  
BEFORE MAILING OF FIRST OFFICE ACTION**

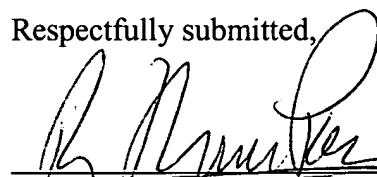
S I R:

In accordance with 37 C.F.R. §1.56, the materials listed on the attached PTO-1449 form are being brought to the Examiner's attention for consideration in connection with the examination of the above-identified patent application. Pursuant to 37 C.F.R. 1.98(d), the references cited are not enclosed because complete copies have been submitted in connection with related U.S. patent application no. 10/072,202, filed February 7, 2002; parent application number 09/923,640, filed August 7, 2001, now U.S. Patent No. 6,706,184, which is a continuation-in-part of U.S. provisional patent application no. 60/223,359, filed August 7, 2000; and of which this patent application is a Divisional Application. If the

Examiner requires copies of any of the references cited herein, please do not hesitate to contact the undersigned.

3/22/04  
Date

Respectfully submitted,

  
R. Thomas Payne  
Reg. No. 30,674

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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: 3.23.04

  
Mary K Rudatis



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|   |   |                      |                      |                          |            |
|---|---|----------------------|----------------------|--------------------------|------------|
| Substitute for form 1449B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   |                      |                      | <b>Complete if Known</b> |            |
|   |   | Application Number   | 10/737,134           |                          |            |
|   |   | Filing Date          | 12/16/2003           |                          |            |
|   |   | First Named Inventor | SALE, Richard et al. |                          |            |
|   |   | Art Unit             |                      |                          |            |
|   |   | Examiner Name        |                      |                          |            |
| Sheet   | 3 | of                   | 3                    | Attorney Docket Number   | CUNO-407.2 |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|--|-----------------------|---|----------------|
| Examiner Initials <sup>*</sup>                     | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|  |                       | ASTM (American Society for Testing and Materials) - Designation: E 1294-89 (Reapproved 1999) Standard Test Method for Pore Size Characteristics of Membrane Filters Using Automated Liquid Porosimeter.   |                |
|  |                       | TAYLOR, Shawn David, "Two Layer Slot Coating Study of Die Geometry and Interfacial Region," Master Thesis, McMaster University, Hamilton, Ontario, Canada, July 1997.   |                |
|  |                       | KISTLER, Stephan F. et al, Editors, "Liquid Film Coating," Scientific Principles and Their Technical Implications, Chapman & Hall, 1997   |                |
|  |                       | Troller Schweizer Engineering, "Concepts and Criteria for Die Design," brochure.  |                |
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|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

<sup>1</sup> Applicant's unique citation designation number

<sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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MICROPOROUS MEMBRANE )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

The following are submitted in the above identified application in compliance with 37 CFR 1.97 & 1.98:

**INFORMATION DISCLOSURE STATEMENT**

- ☒ 1. Pursuant to 37 CFR 1.97(b)  
[within 3 months of filing or prior to 1st Office Action]
- ☐ 2. Certification Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
- ☐ 3. Fee Payment Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
- ☐ 4. Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d)  
[before issue fee payment]
- ☒ 5. A list of documents on form PTO-1449 together with copies of each identified document is enclosed herewith.

This paper is submitted in accordance with:

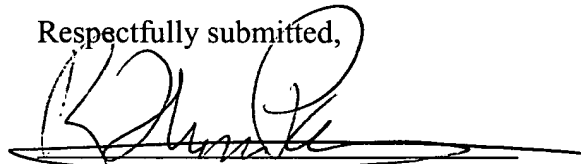
- ☒ 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]

- ☐ 7. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
- ☐ 8. The required certification made in item 11 below; or
- ☐ 9. The \$180.00 fee specified in 37 CFR § 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 10. 37 CFR §1.97(d): [before issue fee payment];
- ☐ 11. Each item of information contained in this Statement was cited in a communication from a foreign patent office in a related foreign application not more than three months prior to the filing of this Statement; or
- ☐ 12. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- ☒ 13. Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 033879. An original and one (1) copy of this document is enclosed.

3/23/04  
Date

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Respectfully submitted,

  
R. Thomas Payne  
Reg. No. 30,674

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Date: 3-23, 2004

  
Mary Rudaitis

# INFORMATION DISCLOSURE CITATION

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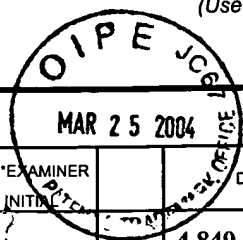
ATTY DOCKET NO.  
CUNO-407.2

SERIAL NO.  
10/737,134

APPLICANT(S)  
SALE, Richard et al.

FILING DATE  
12/16/2003

GROUP



## U.S. PATENT DOCUMENTS

| *EXAMINER<br>(INITIALS) | DOCUMENT NUMBER | DATE       | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|-------------------------|-----------------|------------|------------------|-------|----------|-------------------------------|
|                         | 4,849,671       | 07/18/1989 | Fendley          |       |          |                               |
|                         | 6,126,826       | 10/03/2000 | Pacheco et al.   |       |          |                               |
|                         | 6,146,747       | 11/14/2000 | Wang et al.      |       |          |                               |
|                         | 6,264,044       | 07/24/2001 | Meyering et al.  |       |          |                               |
|                         | 6,280,791       | 08/28/2001 | Meyering et al.  |       |          |                               |
|                         | 6,413,070       | 07/02/2002 | Meyering et al.  |       |          |                               |
|                         | 6,536,605       | 03/25/2003 | Rice et al.      |       |          |                               |
|                         | 6,536,606       | 03/25/2003 | Schneider et al. |       |          |                               |
|                         |                 |            |                  |       |          |                               |
|                         |                 |            |                  |       |          |                               |
|                         |                 |            |                  |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.